Title (en)
CERMET WELDING

Publication
EP 0367434 A3 19910410 (EN)

Application
EP 89310523 A 19891013

Priority
US 26577888 A 19881101

Abstract (en)
[origin: EP0367434A2] Methods for producing composite weld masses are disclosed which include: (a) The application of a composite material on a ceramic base, beginning with a ceramic layer, and gradually changing the composition of the weld material from all ceramic to all metallic. The application of material may be continued, while returning the composite material to all ceramic, thereby forming a sandwich structure. (b) The application of a composite material (44) on a metallic base, beginning with a metallic layer (40) and gradually changing the composition of the weld material from all metallic to all ceramic. Sandwich structures may be formed as in (a) above. (c) The above processes may be tailored to provide a weld mass (62) in which the continuous phase (66) is ceramic, but which contains a metallic phase (64), or to provide a weld mass in which the continuous phase is metallic, but which contains a ceramic phase. a

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B23K 35/001 (2013.01); C04B 41/52 (2013.01); C23C 4/02 (2013.01); C23C 4/10 (2013.01)

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